

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053395 A2

- (51) International Patent Classification⁷: **A01N**
- (21) International Application Number:
PCT/GB2004/005063
- (22) International Filing Date: 2 December 2004 (02.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0327864.5 2 December 2003 (02.12.2003) GB
- (71) Applicant (for all designated States except US): **BIOFUTURES PI LIMITED** [GB/GB]; Biosciences Building, Crown Street, Liverpool L69 7ZB (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MARKS, David** [GB/GB]; BioFutures PI Limited, Biosciences Building, Crown Street, Liverpool L69 7ZB (GB).
- (74) Agents: **GREAVES, Carol Pauline** et al.; Greaves Brewster LLP, Indigo, House, Cheddar Business Park, Wedmore Road, Cheddar BS27 3EB (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PESTICIDAL COMPOSITIONS

(57) Abstract: A pesticidal composition comprising (i) one or more essential oils selected from tagetes oil or a thymol containing oil such as thyme oil, or a mixture thereof, or components thereof which have insect repellent or deterrent properties, which have insect repellent or deterrent properties, wherein the total amount of such oil present does not exceed 10%w/w; (ii) an agriculturally acceptable carrier oil and (iii) an emulsifier. In particular, the composition further comprises a compound, which remediates symptoms of viral infection, such as wintergreen oil. Use Of Compositions of this type in agriculture controls pests whilst reducing the amount of essential oil required. Furthermore, a combined effect of controlling insects, preventing reinfestation and viral symptom remediation is obtainable.